

International Civil Aviation English Association

ICAEA Workshop 2019

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## How Reserch on English as a Lingua Franca can Help to Identify and Adress New Training Needs of the Changing Aviation Community

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ICAEA 2019: ELF research and training needs of the changing aviation 1. Introduction: the changing aviation community Pilot Outlook by Region Map New Pilot Demand 2018-2037 635,00 27,000 146,000 206.000 64,000 261,000 Busine: 96,00 29,000 SIA - PACIE 57.000 59.000 World Demand: 790,000 (https://www.boeing.com/commercial/market/pilot-technician outlook/2018-pilot-outlook/, last accessed Apr 29, 2019) Tokyo International Airport 4

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ICAEA 2019: ELF research and training needs of the changing aviation of 3. Speech rate and accent - speech rate → speech rates frequently encountered at busy airports, particularly in "inner circle" countries, are often considerably higher than the speech rates tested for impact on comprehension in experiments, e.g. →audio 1:278 wpm +audio 2: 314 wpm speech rates in native speech (interviews) words per minute fast above 250 wpm moderately fast 210 to 250 wpm average 160 to 210 wpm 120 to 160 wpm moderately slow slow below 120 wpm (Götz 2013: 15) Tokyo International Airperty II

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3. Speech rate and accent - speech rate

→ speech rates frequently encountered at busy airports,

considerably higher than the speech rates tested for

English is spoken faster than [native] Standard English"

"expanding circle" (e.g. Frankfurt), "control" spoke with an

→ no surprise that speech rate is among the top complaints

comprehension, particularly in "accented" communication

→ Trippe & Baese-Berk (2019: 41) found that "Aviation

→ Cauldwell (2007) found that even at airports in the

by native speakers and non-native speakers alike → fast speech rates and the associated articulatory effects

(reduction, coarticulation, elision etc.) do affect

yo International Airport

particularly in "inner circle" countries, are often

impact on comprehension in experiments

average speech rate of 190 wpm







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